

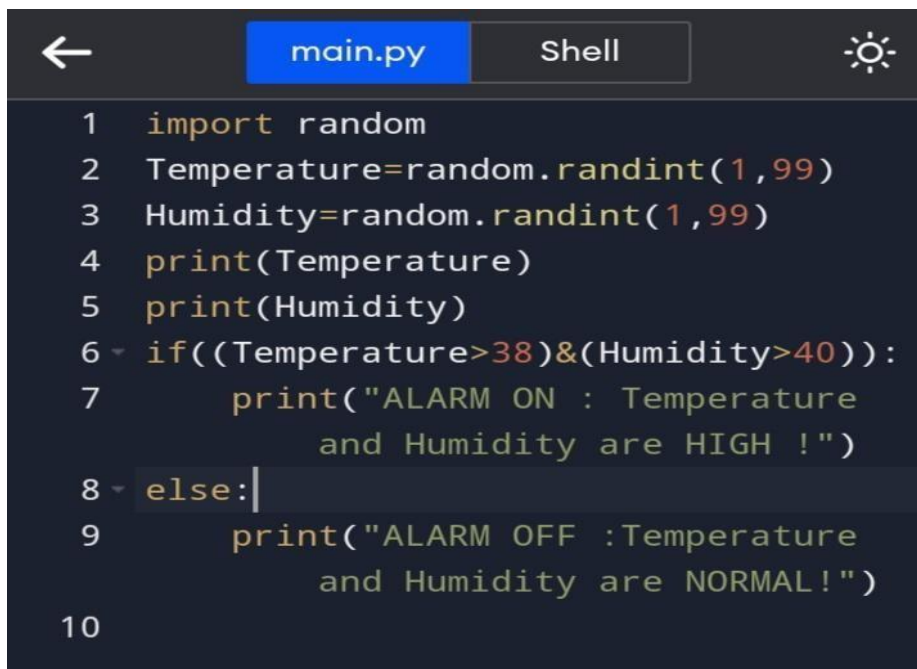
ASSIGNMENT - 2

Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

PYTHON CODE

```
import random
Temperature=random.randint(1,99)
Humidity=random.randint(1,99)
print(Temperature)
print(Humidity)
if((Temperature>38)&(Humidity>40)):
    print("ALARM ON : Temperature and Humidity are HIGH !")
else:
    print("ALARM OFF :Temperature and Humidity are NORMAL!")
```



INPUT

A screenshot of a Python IDE interface. At the top, there is a navigation bar with a back arrow, a tab labeled 'main.py', and a 'Shell' button. To the right of the 'Shell' button is a settings icon (a gear). The main area of the IDE is a dark-themed editor showing the Python code from the previous block. The code is numbered from 1 to 10 on the left margin. The code is: 1 import random, 2 Temperature=random.randint(1,99), 3 Humidity=random.randint(1,99), 4 print(Temperature), 5 print(Humidity), 6 if((Temperature>38)&(Humidity>40)), 7 print("ALARM ON : Temperature and Humidity are HIGH !"), 8 else:, 9 print("ALARM OFF :Temperature and Humidity are NORMAL!"), 10. The cursor is positioned at the end of line 8, after the colon following 'else:'.

```
← main.py Shell ⚙️
1  import random
2  Temperature=random.randint(1,99)
3  Humidity=random.randint(1,99)
4  print(Temperature)
5  print(Humidity)
6  if((Temperature>38)&(Humidity>40)):
7      print("ALARM ON : Temperature
           and Humidity are HIGH !")
8  else:|
9      print("ALARM OFF :Temperature
           and Humidity are NORMAL!")
10
```

main.pyShell

```
96
91
ALARM ON : Temperature and Humidity are
    HIGH !
> |
```

main.pyShell

```
17
48
ALARM OFF :Temperature and Humidity are
    NORMAL!
> |
```

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